

FIGURE 1

	*	20	*	40	*	60	*					
ppbra-v	:	MTEP	VSTGR	CDSP	LLQAFVDNR	ILVKIAARI	TGCRSRAEDVVQDAY	ERLOSAPT	ITSSFKAQLSYLFOI	:	70	
ppbra	:	MTEOV	STSK	CDSP	LLHAFVDNR	ILVKIAARI	TGCRSRAEDVVQDA	ERLOSAPP	ITSSFKAQLSYLFOI	:	70	
ppvds	:	MSEOI	STRRC	DTPL	LOAFVDNRT	ILVKIAARI	TGCRSRAEDVVQDA	ERLOSAPC	ITSSFKAQLSYLFOI	:	70	
ppfri	:	MAEOI	STSK	CDSP	LLQAFVDNRS	ILVKIAARI	TGCRSRAEDVVQDA	ERLSAAPC	ITSSFKAQLSYLFOI	:	70	
		M Eq	ST	CDSP	LLQAFVDNR	ILVKIAARI	TGCRSRAEDVVQDA	ERLqSAP	ITSSFKAQLSYLFOI			
ppbra-v	:	VRNLAIDHYRKQ	QATE	TKYSG	TEEEGLNVVI	HGASPE	SHIN	EN	IAADAL	TOLP	ORTXAFEMYRLHG	: 140
ppbra	:	VRNLAIDHYRKQ	QATE	OKYSG	PEEEGLNVVI	OGASPE	SHIN	ES	IAADAL	ELPS	RTRYAFEMYRLHG	: 140
ppvds	:	VRNLAIDHYRKQ	QATE	OKYSG	PEEEGLNVVI	OGASPE	SHIN	YA	IAADAL	ELPK	RTRYAFEMYRLHG	: 140
ppfri	:	VRNLAIDHYRKQ	QATE	TKYSG	SEEEGLNVVI	ONASPE	ATHIN	LA	IAEALNE	LPORT	RSAFEMYRLHG	: 140
		VRNLAIDHYRKQ	QALE	KYSG	EEEGGLNVVI	qGASPE	SHIN	tIe	IAADALteLP	RTRYAFEMYRLHG		
ppbra-v	:	VPQKDI	AKELGV	SPTLVN	FEMIRDALVH	CRKVS	CSHS	---	IFAR-RV	:	183	
ppbra	:	VPQKDI	AKELGV	SPTLVN	FEMIRDALVH	CRKVS	CSRR	---	AVR	VGR	: 184	
ppvds	:	VPQKDI	AKELGV	SPTLVN	FEMIRDALVH	CRKV	TAE	ROGDNV	IHL	SARR	: 187	
ppfri	:	VPQKDI	AKELGV	SPTLVN	FEMIRDALVH	SAKTAN	RQV	-----			: 176	
		VPQKDI	AKELGV	SPTLVN	FEMIRDALVH	CFKV						

FIGURE 2

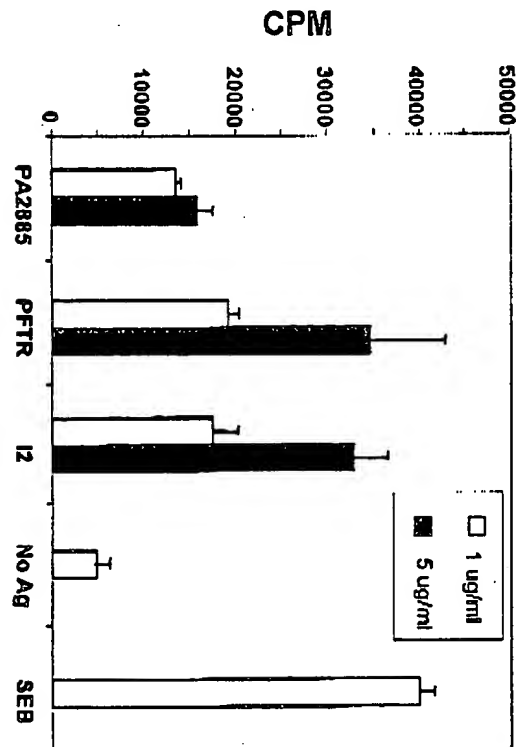


FIGURE 3

09976451, 101201

atgacggaaccagtatccacaggcaggtgcgattcacccttctccaggcggttcgctcgacaatcg
actgattctggtgaagatcgcgggcccgatatcaccgggtgccgctcccgcgccgaagacgtggtgc
aggacgcctacttccggctgcagtcggcgccgaccatcacctcatcgttcaaggcccaactgagt
tatctgtttcagatcgtaacgcaacctggcgatcgatcattaccgcaagcaggccctggagctcaa
atactccggggaccgaagaggaaggcttgaatgtggttattcacggcgcttcaccggaaacctcgc
acatcaatttcaacaccctggaaaacatcgccgacgacctgacgcaactgccccagcgcacccgc
tacggttcgagatgtaccgcttgcattggcggtgccgcaaaaagacatcgccaaggagcttgggggt
gtctccgaccttgggtgaacttcatgattcgcgatgcgctggtgcattgccgcaagggtgtcgggca
gtcatagcgatacgtttgcgcggcggtttaa

FIGURE 4A

MTEPVSTGRCDSPLLQAFVDNRLILVKIAARITGCRSRAEDVVQDAYFRLQSAPTITSSFKAQLS
YLFQIVRNLAIDHYRKQALELKYSGTEEEGLNVVIHGASPETSHINFNTLENIADALTQLPQRTR
YAFEMYRLHGVPQKDIAKELGVSPTLVNFMIIRDALVHCRKVSGSHSDTFARRV

FIGURE 4B

1.027.01.15492650

ATGCGCACCATGGTCGACAGTGGCCAATTGACCGACCCCGAGAGCGCCCGCGGCAAGTTGCTGCA
AACCGCGGCTCATCTGTTTCGCAACAAGGGTTTCGAGCGCACCAACCGTGCGAGATCTGGCCAGCG
CCGTGGGCATCCAGTCCGGCAGCATCTTTCATCACTTCAAGAGCAAGGATGAGATATTGCGTGCC
GTGATGGAGGAAACCACCCATTACAACACCGCGATGATGCGCGCTTCACTGGAAGAAGCGAGCAC
GGTGCGCGAACGCGTGCTGGCGCTGATCCGCTGCAAGTTGCAGTCGATCATGGGCGGCAGTGGCG
AGGCCATGGCGGTGCTGGTCTACGAATGGCGCTCGCTGTGCGCCGAAGGCCAGGCGCACGTGCTG
GCCCTGCGTGACGTGTATGAGCAGATCTGGTTGCAGGTACTGGGCGAGGCCAAGGCCGCTGGCTA
CATC**CGGGGCGAC**GTGTTTATTACCCGGCGCTTCCTCACCGGGGCCTTATCCTGGACCACCACct
GGTTTCGTGCCCCAAGGCAGCCTGACCCTTGAGGAGTTGGCCGAAGAGGCCcttgttgaTggtGCTG
AAGTCGGACTGA

FIGURE 5A

MRTMVDSGQLTDPESARGKLLQTA AHLFRNKG FERTTVRDLASAVGIQSGSIFHHFKSKDEILRA
VMEETTHYNTAMMRASLEEASTVRERVLALIRCKLQSIMGGSGEAMAVLVYEWRSLSAEGQAHVL
ALRDVYEQIWLQVLGEAKAAGYIRGDVFITRRFLTGALSWTTTWFRAGSLTLEELAEALLMVL
KSD

FIGURE 5B

1 cgacggcccg ggctgggtctg tttgagttga ggggtgcaggt catcgccgag caacacggcg
61 attttcagcg ggatgtgcgc gttatcgag gccgcttgca gggcgccggc gcaggcttgg
121 ggggttgatac caccggcatt gctgatcacc cggatgccct ggcgctggat atccgccagc
181 aggggtgtca gcacctcgac aaaatccgtg gcgtaaccgg ccttggggtc tttcaggcgg
241 gcaccggcga ggatcgacag ggtgacttcc gcgaggtaat cgaacaccag gtaatccaag
301 gcaccgccct gcaccaattg ggcggcggcg gtgcaagtgt cgcccagaa ggcgctggcg
361 cagccgatac gtaccgtctt gctcatgaga aatccttcct ccaagggctg gtgccgagac
421 taccaagcaa gcgcttggtt tgtaaaactcc agtcacaagt tttacccaag cgcttgcttg
481 ggtggcagtc acggcctaaa ttgccggcca agacgacagt agacgtgaag gagagcagca
541 tggatgagca caaagccctg ggggtgatgc gcaccatggt cgacagtggc caattgaccg
601 accccgagag cggccggcg gcagtgctgc aaaccggcg tcactgtgtt cgcaacaagg
661 gtttcgagcg caccaccgtg cgagatctgg ccagcgccgt gggcatccag tccggcagca
721 tctttcatca cttcaagagc aaggatgaga tattgcgtgc cgtgatggag gaaaccaccc
781 attacaacac cgcgatgatg cgcgcttcac tggaagaagc gagcacggtg cgcgaacgcg
841 tgctggcgct gatccgctgc aagttgcagt cgatcatggg cggcagtggc gaggccatgg
901 cgggtgctggt ctacgaatgg cgctcgctgt cggccgaagg ccaggcgac gtgctggccc
961 tgctgacgt gtatgagcag atctggttgc aggtactggg cgaggccaag gccgtggct
1021 acatccgggg gcagctgttt attaccggc gcttcctcac cggggcctta tctggacca
1081 ccacctggtt tcgtgcccac ggagcctga ccttgagga gttggccgaa gaggccttgt
1141 tgatggtgct gaagtccgac tgaggcgcaa gttattaatt tgctggcgaa agttgtctcc
1201 cccaataaaa acgcctagct tatcggcatt gaactcttca acggtgtgtg cctcgatgtt
1261 ttccgcatgg cggctggctg caggacttac tttatgggca ctgggcaccg ccgctggac
1321 gcaggctggg gccgcgcagt tggtgagaat cggcgcgcg cttttccgc cctacaccgt
1381 acgccctgaa caaggcgccg acaccgggtt gctgccgcaa ttggtcgagg cgttgaacgc
1441 tgcgcaaacc gattaccagt ttgtggtggg gcctacctcg atacctcggc gttttcgtga
1501 cttcgagcaa ggccgggtcg acatggcgat cttcgaaaac ccgtcctggg gttggcagaa
1561 tattgcccac accagtgttg atatggggtc gaagatgcgg agatttttgg cgctcagcgt
1621 cagcccggtc gcgaccagag ttatttttcc gacctcacgg gaagcgctgg cggatttcag
1681 cgggtatcac tatgcctttg ctgacttcaa tcccgatccc aagaacatgc cgagcgtttc
1741 aacgcgacgt tgacctactc ccatgacagt aatctgctga tgggtgctcg tggcgctgca
1801 gatattgcgc tggttaccgc ctctgacctg agtgatttca tgggtgcgaa cgcggacatg
1861 gcggggcagt ttttgggtgc ggagcgtatt gaccaggtgt atcaccacta cgcgttggtg
1921 cgnccaaggc acccgatcac tggtcggcg tttgccgaa ctgctcaagt cttgcgcgac
1981 agtgccagaa tgctgaagat ttttgagccg tatcgtattg atgtgacgcc ggtgccctaa
2041 ggtcttagta agtaaaatcc ttccgggtca gtgggatcaa ctgtggaagc tggcttgctt
2101 gcgatggcg cctgacagcc gacacagatt aattgatgct gatgccccgc gatccaatgt
2161 gggagcttgg cttgcctgcy aagacggcct gacagtcaac acagttggac cgtgtacata
2221 tccatccctt gcggtaacgg gctacttagg gttccgcttt tacagcggtc cacttttgaa
2281 aagcgcaaaa gtaagcaaaa cgtctttgcc ccaccactcg gcacctcgcc aggctcgggtg
2341 tgcccgtaat ccgccagtga tttggggggc cgcccacgcy catccatgcy cggggcggtt
2401 aaacggatcc ctgccggttt acccccaaaa tccctgtcg aattccggcc agcgtggttt
2461 aacggggcgc ctaagatcaa aagccagatc aagatcacia gcagatcaag atcacaagca
2521 gatcaagatc acaagcagat caagatcaca agcagatcaa gatcaagagc gggctcgctt
2581 cgcacgtag tttccgtgga gcccttacct acatatgtcg gcgctggatt aaaccgcgcg
2641 cgcaaacgta tcgctatgac tgcccagacac cttgcggcaa tgcaccagcg catcgcgat
2701 catgaagttc accaaggtcg gagacacccc aagctccttg gcgatgtctt tttgcggcac
2761 gccatgcaag cggtagatct cgaacgcgta gcgggtgcgc tggggcagtt gcgtcagggc
2821 gtcggcgatg tttccaggg tggtgaaatt gatgtgcgag gtttccggtg aagcgcggtg
2881 aataaccaca ttcaagcctt cctcttcggt cccggagtat ttgagctcca gggcctgctt
2941 gcggtaatga tcgatcgcca ggttgcgtag gatctgaaac agataactca gttgggcctt
3001 gaacgatgag gtgatggtcg gcgcgactg cagccggaag taggcgtcct gcaccacgtc
3061 ttccggcgcg gagcggcacc cgggtgatag ggccgcgac ttcaccagaa tcagtcgatt
3121 gtcgacgaac gcctggagaa ggggtgaatc gcacctgcct gtggatactg gttccgtcat

FIGURE 6 (page 1 of 2)

Inventors: Braun et al.
Attorney Docket No.: P-PM 4968

3181 ggaaatcacc ttgctgcgaa taggttaggg aagggcatcc ctgttaggcc tcctacatat
3241 cgggcaccaa attatgctta atgataatga ttgtcaaatg agaaggcgaa ctaatcttat
3301 gccttggcga aggtgtgaac cacgtctcgc tcccccccg cgactaatta tttgaaggct
3361 ccgtccgttc tcatgggtga caggttcgtt agtacaacgg ccaaggacca gcacccgcag
3421 gaggaccaga tgggttttta tcgtgcattc agcgtgtttc agttcggagt cctcgcggga
3481 tgagtacgtc cctgcggctg cgcctgtttt gcctgcccc ctcaggcgcc agcgcctcgg
3541 tctacgctcg ctggcgccgg gtgctgccgg actggctgca agtgtgcccg ctggaattgc
3601 cgggacgcgg catgcgcatg gacgagccat tgcagcgca taccagcccg ggccgtc

102101-15492660